# SADL

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# 1.0 SYSTEMS AREA DRUM LOAD (SADL)

SADL is a tape to drum utility program for loading the Systems Program File from logical servo Ø onto a System Area on the drum. It may be used to write programs to any defined System Area, provided the tape format is that of the 1050 PAL Assembly System. Command Cards from the Reader, direct the operation of SADL.

SADL assumes that the Drum Area to which it is loading contains no valid information, if an open command is used. If an open command is not used, SADL will begin filing at the first free sector within the file.

# 2.0 COMMAND CARDS

## 2.1 INOUT COMMAND

FORM:

| OP | OPERANDS |
|----|----------|
| INOUT | P1 |

WHERE: P1 = Two characters which describe the file where work is to be performed. The first character is an asterisk. The second character is the Systems Area Identifier associated with the Systems Area concerned.

i.e.,

** = Systems Programming File
*$ = Scratch Area
*A thru *Z = User Library

NOTE: An INOUT Command must precede all other commands to SADL.

## 2.2 OPEN COMMAND

FORM:

| OP | OPERANDS |
|----|----------|
| OPEN | P1 |

WHERE: P1 = A 4 character number representing the number of PD entries for programs required by this file.

This command is used to open a file or enlarge its PD Table.

## 2.3 COPY COMMAND

FORM:

| OP | OPERANDS |
|------|----------|
| COPY | P1, P2 |

WHERE:

P1 = Program to be copied (MAX 4 character I.D.)

P2 = Blank or SKIP; if SKIP, all programs from present position of input tape to P1 will be deleted, otherwise, they will be copied.

## 2.4 STOP COMMAND

FORM:

| OP | OPERANDS |
|------|----------|
| STOP | P1 |

This command is always the last command to SADL and must always be present.

If P1 is blank, SADL will copy the remainder of the input tape onto Fastrand.

If P2 is "SKIP", SADL will terminate the output at its present location.

## 3.0 SADL STOP DISPLAY LIST

| DISPLAY | | REASON AND ACTION |
|---------|---|-------------------|
| Ø6Ø277 | 77 | SADL Ready, Depress Start. |
| Ø6Ø22Ø | 2Ø | Cannot Locate P1 (Program ID) Check Command Card and Restart. |
| Ø6Ø257 | | Command not recognized Reload proper command, Depress Start. |
| Ø6Ø272 | | No INOUT Card, Load one Depress Start. |
| Ø16ØØØØ | | Attempted write in locked out position, Restart. |
| Ø6Ø233 | | Unable to complete, File size exceeded, Restart. |
| Ø16ØØ33 | | Unrecoverable Fastrand Error. |
| Ø6Ø244 | | Unable to complete, _PD TABLE SIZE_ exceeded, |
| Ø6Ø249 | | Unable to complete PD T___, Size exceeded, |

## 4.0 EXAMPLES

NOTE: ** = Systems Programming File

| SERVICE | FUNCTION | COMMANDS |
|---|---|---|
| Open & Copy | Copy entire tape & open file. | Inout ** <br> Open 1ØØØ <br> Copy <br> Stop |
| Copying | Copy one file (OPS1) | Inout ** <br> Copy OPS1 SKIP <br> Stop SKIP |
| Copying | Copy several files (OPS1 thru TINT) | Inout ** <br> Copy OPS1 SKIP <br> Copy TINT <br> Stop SKIP |